

## User Manual



**N-117 / N-119**

**1U 17" / 19" LCD Console Drawer**

**Options :**

- AV / DVI-D / Audio
- Full range KVM
- DC power

Designed and manufactured by Austin Hughes

## Legal Information

First English printing, October 2002

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

## Safety Instructions

**Please read all of these instructions carefully before you use the device. Save this manual for future reference.**

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40° Celsius (104° Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

## What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

## Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

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## < Part 1 >

N-117

N-119

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For KVM options,  
please download the links below according to the KVM series and models :

For Matrix Cat6



KVM

[www.austin-hughes.com/support/usermanual/cyberview/UM-CV-MUKVM-KIT.pdf](http://www.austin-hughes.com/support/usermanual/cyberview/UM-CV-MUKVM-KIT.pdf)

MUIP1613 / 3213

MUIP1624 / 3224

MU1602 / 3202

MU1603 / 3203

MU1604 / 3204

For Combo Cat6



KVM

[www.austin-hughes.com/support/usermanual/cyberview/UM-CV-UKVM-KIT.pdf](http://www.austin-hughes.com/support/usermanual/cyberview/UM-CV-UKVM-KIT.pdf)

UIP802 / 1602 / 3202

U802 / 1602 / 3202

U801 / 1601 / 3201

For Matrix DB-15



KVM

[www.austin-hughes.com/support/usermanual/cyberview/UM-CV-MKVM-KIT.pdf](http://www.austin-hughes.com/support/usermanual/cyberview/UM-CV-MKVM-KIT.pdf)

MIP813 / 1613

MIP824 / 1624

M802 / 1602

M803 / 1603

M804 / 1604

For Combo DB-15



KVM

[www.austin-hughes.com/support/usermanual/cyberview/UM-CV-SKVM-KIT.pdf](http://www.austin-hughes.com/support/usermanual/cyberview/UM-CV-SKVM-KIT.pdf)

IP802 / 1602

802 / 1602

S801 / S1601

For PS/2



KVM

[www.austin-hughes.com/support/usermanual/cyberview/UM-CV-PS2KVM-KIT.pdf](http://www.austin-hughes.com/support/usermanual/cyberview/UM-CV-PS2KVM-KIT.pdf)

401 / 801

## Before Installation

- It is very important to mount the equipment in a suitable cabinet or on a stable surface.
- Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

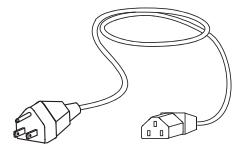
## Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

### < Part 1 >

**N-117 / 119**

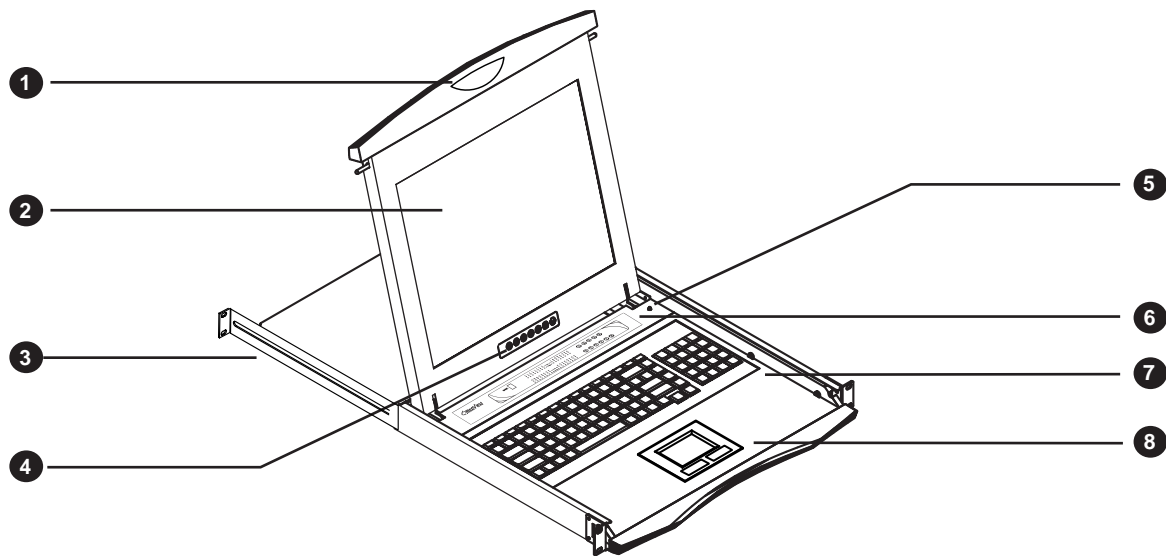
### < 1.1 > Package Content



- N-117 or N-119 X 1
- CE-6 6ft Combo KVM cable X 1
- Power cord X 1
- M6 screw, cage nut & cup washer X 6



The above package content is only for the single console models.  
It varies with options such as KVM, DVI-D, AV, audio & DC power.



① Carry handle to release the 2-pt lock

② LCD interchangeable module kit

③ “One Man” Installation Slides

④ LCD membrane

⑤ Micro switch for screen auto power off

⑥ Membrane switch (KVM option)

⑦ Keyboard interchangeable module kit

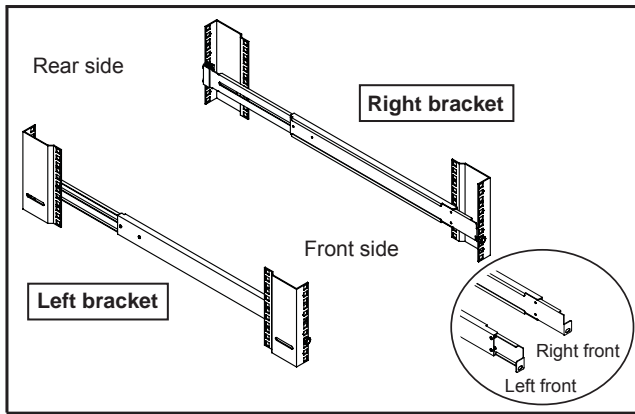
⑧ Mouse interchangeable module kit

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
<b>N-117 series</b>	441.6 x 650 x 44.3 mm 17.4 x 25.6 x 1.74"	595 x 860 x 140 mm 23.4 x 33.9 x 5.5"	13 kg 29 lb	19 kg 42 lb
<b>N-119 series</b>	441.6 x 650 x 44.3 mm 17.4 x 25.6 x 1.74"	595 x 860 x 140 mm 23.4 x 33.9 x 5.5"	13 kg 29 lb	19 kg 42 lb



**The weight is only for the single console models. It varies with accessories & options such as KVM, DVI-D, AV, audio & DC power.**

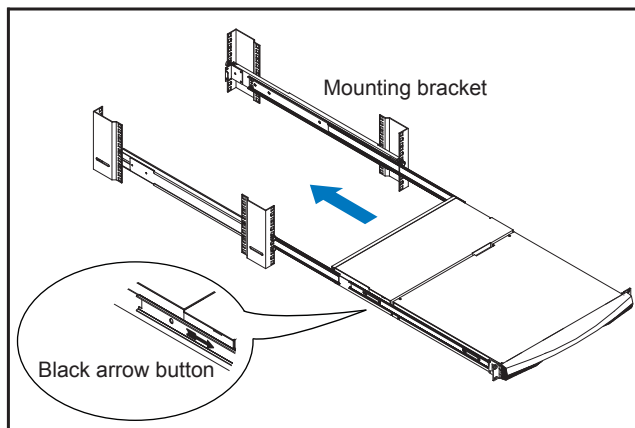
## < 1.3 > Installation - How to install One Man Installation Slides



### Step 1

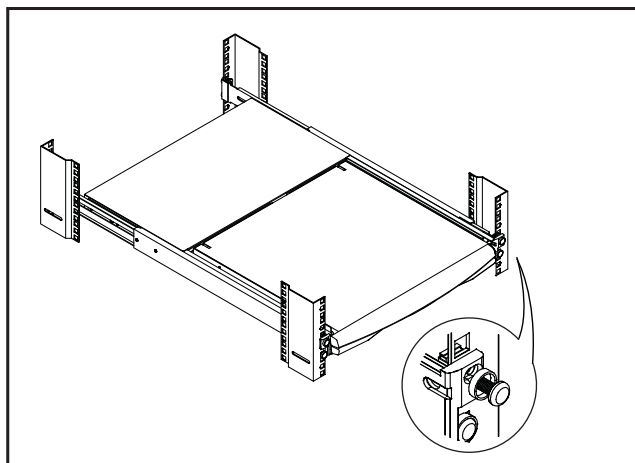
- Attach the left and right mounting bracket to rack 19" mounting rails.
- Adjust the rear mounting bracket to fit your rack.
- M6 screw and cup washer x 6 pcs included.

**Caution:** Leave the screws slightly loose, until you complete the installation in step 4



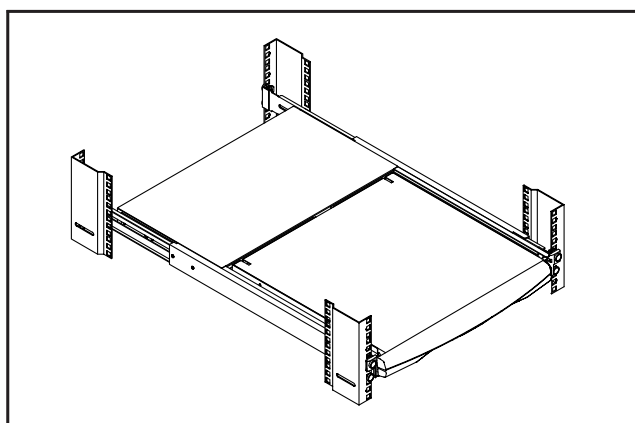
### Step 2

- Pick up the LCD console drawer.
- Insert the LCD console drawer into the mounting bracket.
- Pull and hold the left & right black arrow buttons on the rails.
- Return the LCD console drawer to park position.



### Step 3

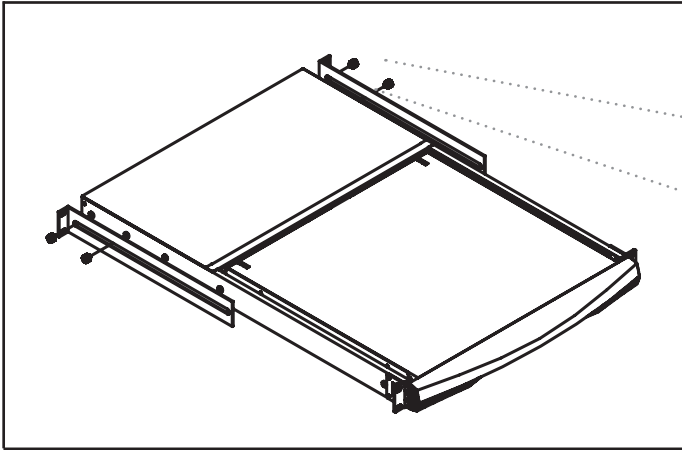
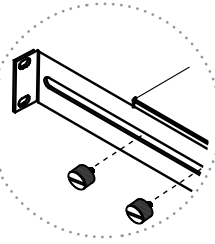
- Attach front left and right mounting ears of the LCD console drawer to vertical mounting rails.
- M6 screw and cup washer x 2 pcs included.



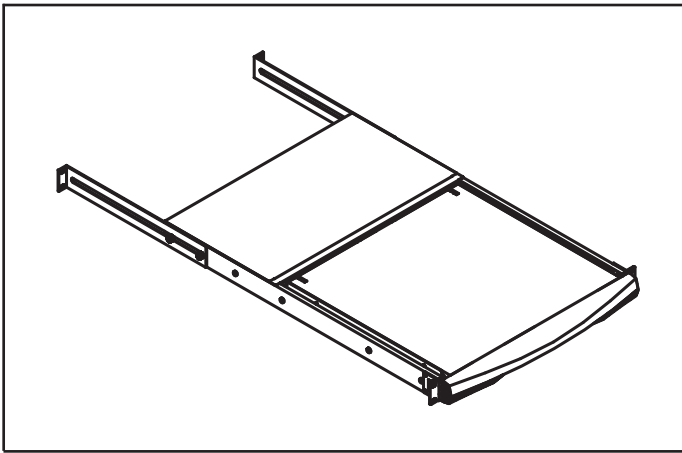
### Step 4

#### Complete the installation

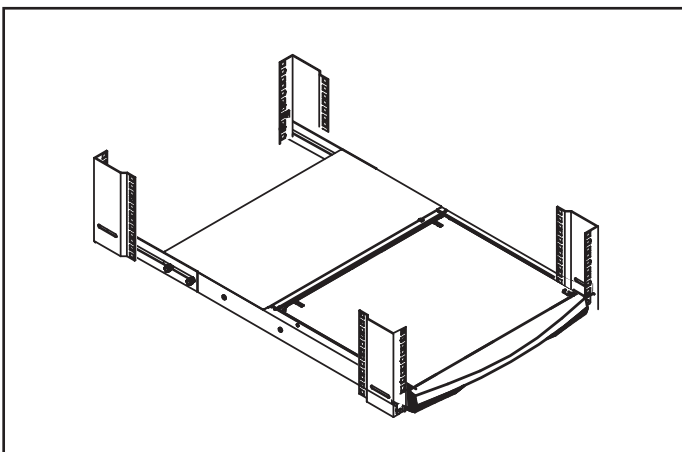
- Tighten all 8 pcs of M6 screw to complete the installation.

**Step 1**

- Install left & right rear L-brackets with two fasteners shown above.
- Leave the fasteners slightly loose.

**Step 2**

- Measure the depth of the front and rear mounting rails.
- Align each rear L-bracket to a suitable length and tighten the fasteners.

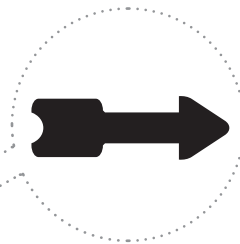
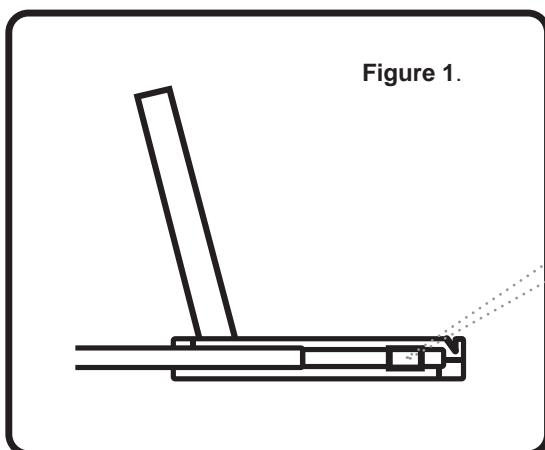
**Step 3**

- Fix the LCD console drawer into the rack.

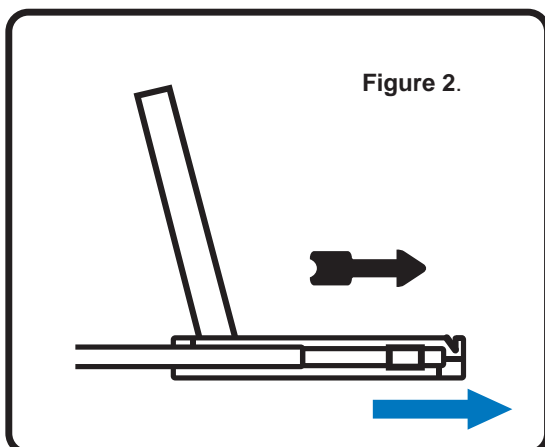


**M6 mounting screws & cage nuts are not provided.**

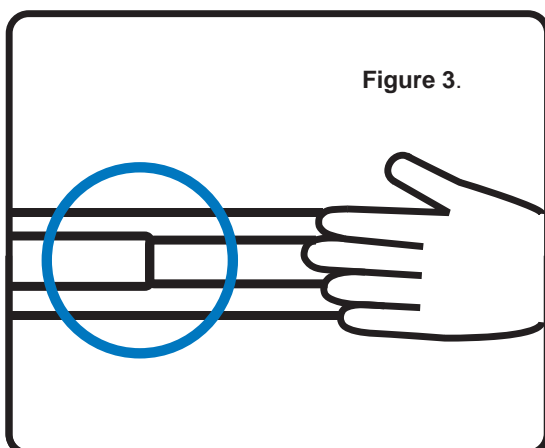
## < 1.3 > Installation - How to Use the Slides




- A black arrow release button is located on the front of each slide. (shown in **Figure 1**).



- Pull and hold the black arrow button on either side of the LCD console drawer to unlock. (shown in **Figure 2**).



- Push the LCD console drawer into the rack. (shown in **Figure 3**).

 **Caution :** Keep your fingers away from the slide stop





- Pull the tab on the front handle and gently slide out the drawer.



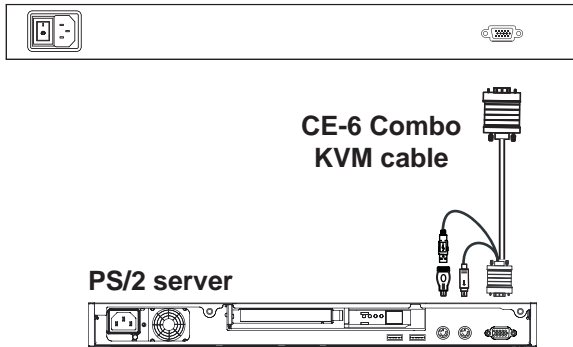
- Flip up the LCD to a suitable angle.



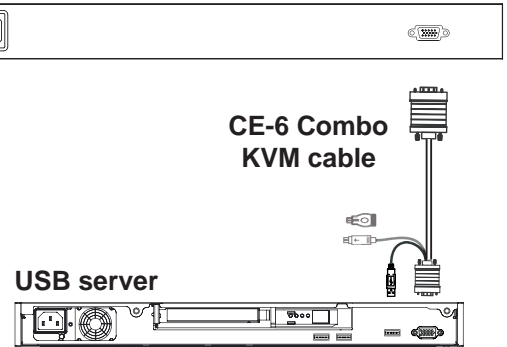
- Operate the LCD console drawer.

## < 1.4 > Connection to **PS/2 or USB Server**

LCD console drawer

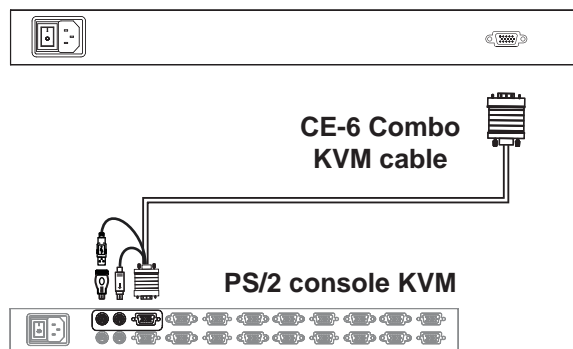


LCD console drawer

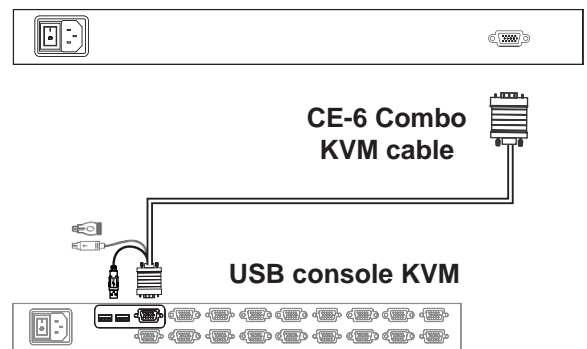


## < 1.4 > Connection to **external KVM**

LCD console drawer



LCD console drawer



**Caution :** The LCD console drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD console drawer. Before attempting to connect anything to the LCD console drawer, we suggest turning off the power to all devices. Apply power to connected devices again only after the LCD console drawer is receiving power. The company is not responsible for damage caused in this way.

- Power light
- Green = On
- Orange = Power saving




Membrane Switch	Function
	Power on / off LCD
	Display the OSD menu
	Scrolls through menu options and adjusts the displayed control (To auto adjustment by pressing the button  for 5 seconds)
	Exit the OSD screen Toggle analog, digital & video connection (DVI-D and video options only)

Ver: G56SN20SSTD701		1024 x 768 59.8Hz	
	<b>Image</b>		
	Brightness		50
	Contrast		50
	Color Temp	User	
	Red		255
	Green		255
	Blue		255
Adjust:		Select:	Set:

## OSD Configuration Page

	<b>Image:</b> for the brightness, contrast, color temp, red, green, and blue
	<b>Geometry:</b> for the auto adjust, H position, V position, phase and clock
	<b>Video:</b> for the colour, tint, sharpness, noise reduction, DCDi and TV Setup
	<b>Audio:</b> for volume, bass, treble, balance, AVL and mute
	<b>Misc:</b> for the language, OSD position, graphic mode, ratio, reset and timer

## < 1.6 > LCD / Keyboard / Mouse Specification

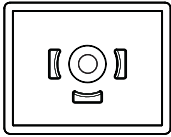
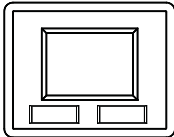
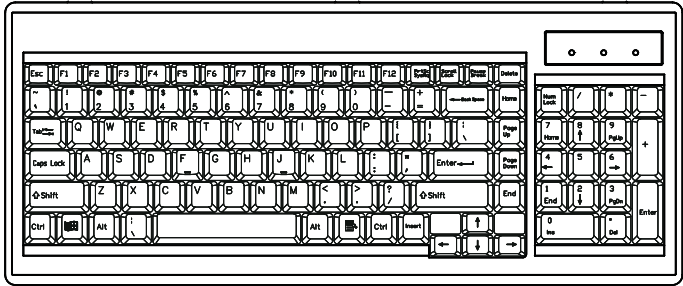
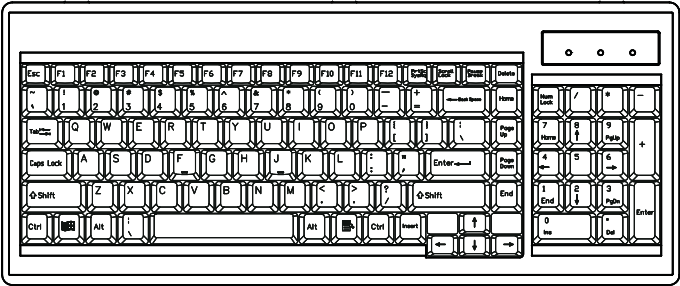
Item	Description	
LCD Manufacturer		
Diagonal Size	17" TFT	19" TFT
Max. Resolution	1280 x 1024	1280 x 1024
Brightness (cd/m²)	250	250
Color Support	16.7 M	16.7 M
Contrast Ratio (typ.)	1000:1	1000:1
Viewing Angle (H/V)	160° x 160°	160° x 160°
Active Area (mm)	338 x 270	376 x 301
Response Time Tr + Tf (ms)	5	5
LCD Panel MTBF (hrs)	50,000	50,000
VGA Signal Input	Analog RGB, 0.7Vp-p	
Sync. Type	Separate H/V, Composite, SOG	
Resolution	800 x 600, 60/ 70/ 72/ 75 Hz	
	1024 x 768, 60/ 70/ 75 Hz	
	1152 x 864, 60/ 70/ 75 Hz	
	1280 x 720, 60/ 75 Hz	
	1280 x 1024, 60/ 70/ 75 Hz	
Plug & Play DDC	EDID 1.3	
Console Port (Combo)	DB-15 connector for VGA / keyboard / mouse (Combo interface)	
Power Input	Auto-sensing 100 to 240VAC, 50 / 60Hz	
Power Consumption	Max. 48 Watt, Standby 5 Watt	
Compatibility	Multi-platform - Mix PCs, SUNs, IBMs, HPs & DELLs.	
Regulation Approval	FCC, CE	

### Environmental

Operation	0° to 50°C Degree
Storage	-5° to 60 °C Degree
Relative Humidity	5~90%, non-condensing
Shock	10G acceleration (11ms duration)
Vibration	5~500Hz 1G RMS random vibration

**Ne** N keyboard integrated with touchpad

**Nb** N keyboard integrated with trackball



Key force	55 ± 5g
Travelling distance	3 ± 0.3mm
Switch life	> 10 million life cycle time
Software support	MS Windows 7 / 2008 / 2003 / 2000 / XP / ME / 98 / DOC Linux / Mac

Supporting layouts

America



United States

EMEA



United Kingdom



Germany



France



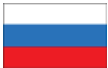
Spain



Norway



Italy



Russia



Switzerland



Netherlands



Portugal

Asia



China



Japan



Korea



Arabia



Turkey

< 1.7 > Options : DVI-D / BNC + S-Video / Audio / DC power

DVI-D Option

■ Option includes 1 x 6ft DVI-D cable



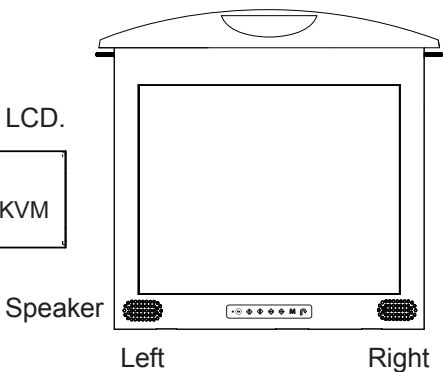
BNC + S-Video Option

■ Option includes 1 x 6ft S-Video cable

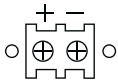


Audio Option

- Audio input is 35mm audio plug
- The speaker is sharing the same power with LCD.

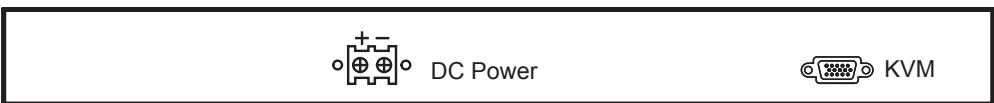


DC Power Option



Model	12V	24V	48V
<b>Input rating</b>			
Input voltage:	12-Volt	24-Volt	48-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V
Input current			
- No load	50 mA	50 mA	50 mA
- Full load	4950 mA	2450 mA	1220 mA
<b>Output rating</b>			
Output voltage:	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A
<b>Efficiency</b>	84%	85%	85%

■ Option excludes 1 x power cord





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